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**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. MWS-030

First Inventor Paulo Pacheco

Title SYSTEMS FOR RETAINING STATE  
INFORMATION IN A DYNAMICALLY TYPED  
TEXT-BASED ENVIRONMENT

Express Mail Label No. EV354230328US

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61430410/614304  
2154 U

08/04/03

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

MS Patent Application  
ADDRESS TO: Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

1.  Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original, and a duplicate for fee processing)

2.  Applicant claims small entity status.  
See 37 CFR 1.27.

3.  Specification [Total Pages 20]  
(preferred arrangement set forth below)  
 - Descriptive title of the invention  
 - Cross Reference to Related Applications  
 - Statement Regarding Fed sponsored R & D  
 - Reference to sequence listing, a table, or a computer program listing appendix  
 - Background of the Invention  
 - Brief Summary of the Invention  
 - Brief Description of the Drawings (if filed)  
 - Detailed Description  
 - Claim(s)  
 - Abstract of the Disclosure

4.  Drawing(s) (35 U.S.C. 113) [Total Sheets 8]

5. Oath or Declaration [Total Sheets 6]  
 a.  Newly executed (original or copy)  
 b.  Copy from a prior application (37 CFR 1.63(d))  
(for continuation/divisional with Box 18 completed)  
 i.  **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).

6.  Application Data Sheet. See 37 CFR 1.76

7.  CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)

8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)  
 a.  Computer Readable Form (CRF)  
 b. Specification Sequence Listing on:  
 i.  CD-ROM or CD-R (2 copies); or ii.  Paper  
 c.  Statements verifying identity of above copies

**ACCOMPANYING APPLICATIONS PARTS**

9.  Assignment Papers (cover sheet & document(s))

10.  37 CFR 3.73(b) Statement  Power of Attorney (when there is an assignee)

11.  English Translation Document (if applicable)

12.  Information Disclosure Statement (IDS)/PTO-1449  Copies of IDS Citations

13.  Preliminary Amendment

14.  Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)

15.  Certified Copy of Priority Document(s)  
(if foreign priority is claimed)

16.  Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i).  
Applicant must attach form PTO/SB/35 or its equivalent.

17.  Other: **Return Postcard**

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation  Divisional  Continuation-in-part (CIP) of prior application No. \_\_\_\_\_

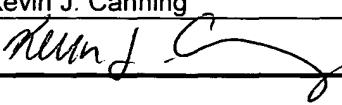
Art Unit: \_\_\_\_\_

Prior application information: Examiner \_\_\_\_\_

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**19. CORRESPONDENCE ADDRESS**

|  |   |           |                |          |  |
|--|---|-----------|----------------|----------|--|
| <input checked="" type="checkbox"/> Customer Number: | 00959   |           |                | OR       | <input checked="" type="checkbox"/> Correspondence address below |
| Name   | LAHIVE & COCKFIELD, LLP<br>Thomas V. Smurzynski |           |                |          |  |
| Address  | 28 State Street                                 |           |                |          |  |
| City   | Boston  | State     | MA             | Zip Code | 02109  |
| Country  | US  | Telephone | (617) 227-7400 |          | Fax (617) 742-4214   |

|                   |   |                                   |                     |
|-------------------|---|-----------------------------------|---------------------|
| Name (Print/Type) | Kevin J. Canning  | Registration No. (Attorney/Agent) | 35,470              |
| Signature         |  |                                   | Date August 4, 2003 |

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV354230328US, in an envelope addressed to: MS Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: August 4, 2003

Signature:  (Kevin J. Canning)



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# FEE TRANSMITTAL for FY 2003

Effective 01/01/2003, Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 1,078.00)

## Complete if Known

|                      |                       |
|----------------------|-----------------------|
| Application Number   | Not Yet Assigned      |
| Filing Date          | Concurrently Herewith |
| First Named Inventor | Paulo Pacheco         |
| Examiner Name        | Not Yet Assigned      |
| Art Unit             | N/A                   |
| Attorney Docket No.  | MWS-030               |

## METHOD OF PAYMENT (check all that apply)

 Check  Credit Card  Money Order  Other  None  
 Deposit Account

Deposit Account Number 12-0080

Deposit Account Name Lahive &amp; Cockfield, LLP

The Director is hereby authorized to: (check all that apply)

 Charge fee(s) indicated below  Credit any overpayments  
 Charge any additional fee(s) during the pendency of this application  
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

## FEE CALCULATION (continued)

## 3. ADDITIONAL FEES

| Large Entity        | Small Entity | Fee Description | Fee Paid |
|---------------------|--------------|-----------------|----------|
| Fee Code            | Fee (\$)     | Fee Code        | Fee (\$) |
| 1051                | 130          | 2051            | 65       |
| 1052                | 50           | 2052            | 25       |
| 1053                | 130          | 1053            | 130      |
| 1812                | 2,520        | 1812            | 2,520    |
| 1804                | 920*         | 1804            | 920*     |
| 1805                | 1,840*       | 1805            | 1,840*   |
| 1251                | 110          | 2251            | 55       |
| 1252                | 410          | 2252            | 205      |
| 1253                | 930          | 2253            | 465      |
| 1254                | 1,450        | 2254            | 725      |
| 1255                | 1,970        | 2255            | 985      |
| 1401                | 320          | 2401            | 160      |
| 1402                | 320          | 2402            | 160      |
| 1403                | 280          | 2403            | 140      |
| 1451                | 1,510        | 1451            | 1,510    |
| 1452                | 110          | 2452            | 55       |
| 1453                | 1,300        | 2453            | 650      |
| 1501                | 1,300        | 2501            | 650      |
| 1502                | 470          | 2502            | 235      |
| 1503                | 630          | 2503            | 315      |
| 1460                | 130          | 1460            | 130      |
| 1807                | 50           | 1807            | 50       |
| 1806                | 180          | 1806            | 180      |
| 8021                | 40           | 8021            | 40       |
| 1809                | 750          | 2809            | 375      |
| 1810                | 750          | 2810            | 375      |
| 1801                | 750          | 2801            | 375      |
| 1802                | 900          | 1802            | 900      |
| Other fee (specify) |              |                 |          |

SUBTOTAL (1) (\$ 750.00)

## 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

| Extra Claims       | Fee from below | Fee Paid       |
|--------------------|----------------|----------------|
| 36                 | -20** = 16     | 18.00 = 288.00 |
| 3                  | -3** =         |                |
| Multiple Dependent |                |                |

## Large Entity Small Entity

| Fee Code | Fee (\$) | Fee Code | Fee (\$) | Fee Description  |
|----------|----------|----------|----------|--|
| 1202     | 18       | 2202     | 9        | Claims in excess of 20                                     |
| 1201     | 84       | 2201     | 42       | Independent claims in excess of 3                          |
| 1203     | 280      | 2203     | 140      | Multiple dependent claim, if not paid                      |
| 1204     | 84       | 2204     | 42       | ** Reissue independent claims over original patent         |
| 1205     | 18       | 2205     | 9        | ** Reissue claims in excess of 20 and over original patent |

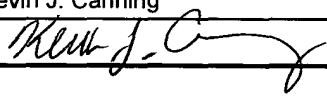
SUBTOTAL (2) (\$ 288.00)

\*\*or number previously paid, if greater; For Reissues, see above

\*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$ 40.00)

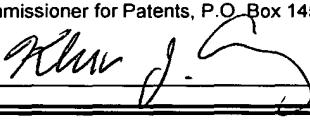
## SUBMITTED BY

Complete (if applicable)

|                   |   |                                   |        |           |                |                |
|-------------------|---|-----------------------------------|--------|-----------|----------------|----------------|
| Name (Print/Type) | Kevin J. Canning  | Registration No. (Attorney/Agent) | 35,470 | Telephone | (617) 227-7400 |                |
| Signature         |  |                                   |        |           | Date           | August 4, 2003 |

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Dated: August 4, 2003

Signature:  (Kevin J. Canning)

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|   |                      |   |
|---|----------------------|---|
| <b>NONPUBLICATION REQUEST<br/>UNDER<br/>35 U.S.C. 122(b)(2)(B)(i)</b> | First Named Inventor | Paulo Pacheco   |
|   | Title                | SYSTEMS FOR RETAINING STATE INFORMATION<br>IN A DYNAMICALLY TYPED TEXT-BASED<br>ENVIRONMENT |
|   | Attorney Docket No.  | MWS-030   |

I hereby certify that the invention disclosed in the attached application **has not and will not be** the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing.

I hereby request that the attached application not be published under 35 U.S.C. 122(b).

August 4, 2003

Date



Signature

(617) 227-7400

Telephone Number

Kevin J. Canning - 35,470

Typed or printed name

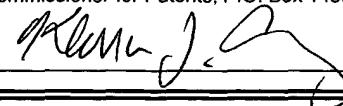
This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**

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Dated: August 4, 2003

Signature: 

(Kevin J. Canning)